

Serial No.: 10/020,004  
Confirmation No.: 7232

- 3 -

Art Unit: 2826

If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,  
*Lieber et al., Applicants*

By: 

Timothy J. Oyer, Ph.D., Reg. No. 36,628  
Lisa E. Winsor, Reg No. 44,405  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2211  
Telephone: (617) 720-3500

Docket No. H00498.70164.US  
Date: October 22, 2002  
**xNDD**

**MARKED-UP CLAIMS**

Claims 14, 17, 19 and 36 have been amended as follows:

14. The article as in claim [24] 1, wherein the [reaction entity] nanowire further comprises a binding partner of [the] an analyte in the sample.
17. The article as in claim 14, wherein the binding partner comprises a chemical group on the nanowire surface, wherein the [combined selected ] chemical group is selected from groups consisting of -OH, -CHO, -COOH, -SO<sub>3</sub>H, -CN, -NH<sub>2</sub>, -SH, -COSH, COOR, and Halide.
19. The article as in claim 14, wherein the binding partner comprises short polymer chains grafted on the nanowire surface, wherein the chains are selected [form] from a group of polymers consisting of: polyamide, polyester, polyacrylic, and polyimide.
36. [An] The article [as in] of claim 3, wherein the microchannel has a minimum lateral dimension less than 1 mm.